

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Inventors:** Khan et al.

**Patent No.:** 7,175,679 B2

**Issued:** February 13, 2007

**For:** OLIGOPEPTIDE TREATMENT OF  
NF- $\kappa$ B MEDIATED INFLAMMATION

**Attorney Docket No.:** 2183-5222US

**VIA ELECTRONIC FILING**

**November 5, 2008**

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
OFFICE MISTAKES (37 C.F.R. § 1.322)**

Attn.: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

It is noted that several errors appear in this patent of a typographical nature. These errors are due to mistakes in printing on the part of the U.S. Patent and Trademark Office, and occurred through no fault of the Applicants. A certificate of correction in the form attached hereto is requested.

Please send the Certificate to:

Name: Allen C. Turner  
Address: TraskBritt  
P.O. Box 2550  
Salt Lake City, Utah 84110

Attached hereto is Form PTO/SB/44, which is suitable for printing.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Allen C. Turner".

Allen C. Turner  
Registration No. 33,041  
Attorney for Applicants  
TRASKBRITT, PC  
P.O. Box 2550  
Salt Lake City, Utah 84110-2550  
Telephone: 801-532-1922

Date: November 5, 2008  
ACT/df/ab

Attachments: PTO/SB/44

Document in ProLaw

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 1 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**On the title page:**

In ITEM (56) **References Cited**, OTHER PUBLICATIONS,

add --Samaniego et al. Induction of Programmed Cell Death in Kaposi's Sarcoma Cells by Preparation of Human Chorionic Gonadotropin, Journal of the National Cancer Institute, January 20, 1999, pp. 135-43, Vol. 91, No. 2.--

**In the specification:**

COLUMN 5, LINE 37,	change "KB" to --κB--
COLUMN 11, LINE 52,	change "CALCRRSTFDCGGPKDH" to
	--CALCRRSTTDCGGPKDH--
COLUMN 12, LINE 15,	change "KB" to --κB--
COLUMN 12, LINE 67,	change "KB" to --κB--
COLUMN 13, LINE 4,	change "KB" to --κB--
COLUMN 13, LINE 9,	change "KB" to --κB--
COLUMN 17, LINE 15,	change "KB" to --κB--
COLUMN 17, LINE 31,	change "KB" to --κB--
COLUMN 17, LINE 65,	change "KB" to --κB--
COLUMN 28, LINE 6,	change "KB" to --κB--
COLUMN 36, LINE 39,	change "CD1 c" to --CD11c--
COLUMN 37, LINE 8,	change "CD1 c" to --CD11c--
COLUMN 42, LINE 35,	In the TABLE, under the heading "RESULTS" change
	"l,ist" to --list--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 2 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 42, LINE 36,	In the TABLE, under the heading "RESULTS" change "data bases" to --databases--
COLUMN 42, LINE 39,	In the TABLE, under the heading "RESULTS" after "LQGV" insert --(SEQ ID NO:1)--; after "LQGVV" insert --(SEQ ID NO:53)--; and after "LQGVVP" insert --(SEQ ID NO:54)--
COLUMN 42, LINE 39,	In the TABLE, under the heading "RESULTS" after "LDALP" insert --(SEQ ID NO:55)--
COLUMN 42, LINE 41,	In the TABLE, under the heading "RESULTS" change "AN UBIQUITOUS" to --A UBIQUITOUS--
COLUMN 42, LINE 42,	In the TABLE, under the heading "RESULTS" after "LQTV" insert --(SEQ ID NO:56)--; after "VLPAL" insert --(SEQ ID NO:8)--; and after "LVLQTVLPAL" insert --(SEQ ID NO:57)--
COLUMN 42, LINE 44,	In the TABLE, under the heading "RESULTS" after "IQGL" insert --(SEQ ID NO:58)--; after "LPKL" insert --(SEQ ID NO:59)--; and after "LLPKL" insert --(SEQ ID NO:60)--
COLUMN 42, LINE 46,	In the TABLE, under the heading "RESULTS" after "LPEL" insert --(SEQ ID NO:61)--
COLUMN 42, LINE 48,	In the TABLE, under the heading "RESULTS" after "PAPRP" insert --(SEQ ID NO:62)--
COLUMN 42, LINE 50,	In the TABLE, under the heading "RESULTS" after "MTRI" insert --(SEQ ID NO:63)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 3 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 42, LINE 53,	In the TABLE, under the heading "RESULTS" after "LQKL" insert --(SEQ ID NO:64)--; after "LQKLL" insert --(SEQ ID NO:65)--; after "PEAP" insert --(SEQ ID NO:66)--; and after "LQKLLPEAP" insert --(SEQ ID NO:67)--
COLUMN 42, LINE 56,	In the TABLE, under the heading "RESULTS" after "PTLP" insert --(SEQ ID NO:68)-- and after "LQPTL" insert --(SEQ ID NO:69)--
COLUMN 42, LINE 59,	In the TABLE, under the heading "RESULTS" after "LQVV" insert --(SEQ ID NO:70)--
COLUMN 42, LINE 61,	In the TABLE, under the heading "RESULTS" after "PELP" insert --(SEQ ID NO:71)--
COLUMN 42, LINE 64,	In the TABLE, under the heading "RESULTS" after "PAAP" insert --(SEQ ID NO:72)--; after "PAAPQ" insert --(SEQ ID NO:73)--; and after "PAAPQV" insert --(SEQ ID NO:74)--
COLUMN 42, LINE 73,	In the TABLE, under the heading "RESULTS" after "LPAL" insert --(SEQ ID NO:75)--; after "PALP" insert --(SEQ ID NO:76)--; and after "PALPE" insert --(SEQ ID NO:77)--
COLUMN 42, LINE 77,	In the TABLE, under the heading "RESULTS" after "LTELL" insert --(SEQ ID NO:78)--
COLUMN 43, LINE 4,	after "ARG" and before "(" insert --(SEQ ID NO:79)--
COLUMN 43, LINE 5,	after "PALP" insert --(SEQ ID NO:76)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 4 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 43, LINE 8,	after "LPPL" insert --(SEQ ID NO:80)-- and after "PPLP" insert --(SEQ ID NO:81)--
COLUMN 43, LINE 11,	after "LPGL" insert --(SEQ ID NO:82)-- and change "EPK" to --LPK--
COLUMN 43, LINE 14,	after "LAAL" insert --(SEQ ID NO:83)-- and after "LAALP" insert --(SEQ ID NO:84)--
COLUMN 43, LINE 18,	after "LPKL" insert --(SEQ ID NO:59)-- and after "PKLP" insert --(SEQ ID NO:85)--
COLUMN 43, LINE 21,	after "VLPSIP" insert --(SEQ ID NO:86)--
COLUMN 43, LINE 23,	after "LPAL" insert --(SEQ ID NO:75)-- and after "PALP" insert --(SEQ ID NO:76)--
COLUMN 43, LINE 26,	after "PAVP" insert --(SEQ ID NO:13)-- and after "MLPAVP" insert --(SEQ ID NO:87)--
COLUMN 43, LINE 30,	after "LPCL" insert --(SEQ ID NO:88)-- and after "PCLP" insert --(SEQ ID NO:89)--
COLUMN 43, LINE 32,	after "VPALP" insert --(SEQ ID NO:90)--
COLUMN 43, LINE 34,	after "LPAL" insert --(SEQ ID NO:75)-- and after "PALP" insert --(SEQ ID NO:76)--
COLUMN 43, LINE 36,	after "PTIP" insert --(SEQ ID NO:91)-- and after "VLPTIP" insert --(SEQ ID NO:92)--
COLUMN 43, LINE 38,	after "VLPGFP" insert --(SEQ ID NO:93)--
COLUMN 43, LINE 40,	after "PGFP" insert --(SEQ ID NO:94)-- and after "VLPGFP" insert --(SEQ ID NO:93)--
COLUMN 43, LINE 43,	after "LPALP" insert --(SEQ ID NO:95)-- and after "PALP" insert --(SEQ ID NO:76)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 5 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 43, LINE 45,	after "PALP" insert --(SEQ ID NO:76)--
COLUMN 43, LINE 47,	after "MPALP" insert --(SEQ ID NO:96)--
COLUMN 43, LINE 52,	delete the comma after "(HUMAN);"
COLUMN 43, LINE 53,	after "MXRVLQGVLPALPQVVC" insert --(SEQ ID NO:97)-- and after "MXRV" insert --(SEQ ID NO:98)--
COLUMN 43, LINE 57,	delete the comma after "(HUMAN);" and delete the period after "sequence"
COLUMN 43, LINE 58,	after "ITRVMQGVIPALPQVVC" insert --(SEQ ID NO:99)--
COLUMN 43, LINE 61,	delete the comma after "(HUMAN);" and delete the period after "sequence"
COLUMN 43, LINE 62,	after "MTRVLQVVLLALPQLV" insert --(SEQ ID NO:100)--
COLUMN 43, LINE 66,	after "KVIQGSLSLPAQAV" insert --(SEQ ID NO:101)-- and after "LDSL" insert --(SEQ ID NO:102)--
COLUMN 43, LINE 69,	after "VLQAILPSAPQ" insert --(SEQ ID NO:103)--; after "LQAIL" insert --(SEQ ID NO:104)--; and after "PSAP" insert --(SEQ ID NO:105)--
COLUMN 43, LINE 71,	after "KVLQGRLPAVAQAV" insert --(SEQ ID NO:106)--
COLUMN 43, LINE 72,	after "LPAV" insert --(SEQ ID NO:107)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 6 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 43, LINE 75,	after "LVQKVVPMLPRLLC" insert --(SEQ ID NO:108)--; after "LPRL" insert --(SEQ ID NO:109)--; and after "PMLP" insert --(SEQ ID NO:110)--
COLUMN 43, LINE 78,	after "VLQAILPSAPQ" insert --(SEQ ID NO:103)--; after "LQAIL" insert --(SEQ ID NO:104)--; after "PSAP" insert --(SEQ ID NO:105)--; and after "PSAPQ" insert --(SEQ ID NO:111)--
COLUMN 45, LINE 4,	after "LPGCPRHFNPV" insert --(SEQ ID NO:112)-- and after "LPGC" insert --(SEQ ID NO:41)--
COLUMN 45, LINE 8,	after "LVGCPRDYDPV" insert --(SEQ ID NO:113)-- and after "LVGC" insert --(SEQ ID NO:114)--
COLUMN 45, LINE 12,	after "PGCPRG" insert --(SEQ ID NO:115)-- and after "PGCP" insert --(SEQ ID NO:10)--
COLUMN 45, LINE 14,	after "LPGCP" insert --(SEQ ID NO:116)--; after "PGCP" insert --(SEQ ID NO:10)--; and after "LPGC" insert --(SEQ ID NO:40)--
COLUMN 45, LINE 16,	after "VLPAAP" insert --(SEQ ID NO:117)-- and after "PAAP" insert --(SEQ ID NO:72)--
COLUMN 45, LINE 19,	after "LAGTIPATP" insert --(SEQ ID NO:118)-- and after "PATP" insert --(SEQ ID NO:119)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*



## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 7 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 45, LINE 22,	after "GVLPAVP" insert --(SEQ ID NO:11)--; after "VLPAVP" insert --(SEQ ID NO:12)--; and after "PAVP" insert --(SEQ ID NO:13)--
COLUMN 45, LINE 24,	after "GVLPALP" insert --(SEQ ID NO:32)--; after "PALP" insert --(SEQ ID NO:76)--; and after "LPAL" insert --(SEQ ID NO:75)--
COLUMN 45, LINE 26,	after "GLLPCLP" insert --(SEQ ID NO:120)--; after "LPCL" insert --(SEQ ID NO:88)--; and after "PCLP" insert --(SEQ ID NO:89)--
COLUMN 45, LINE 28,	after "PGAP" insert --(SEQ ID NO:121)--; after "LPQRPRGPNP" insert --(SEQ ID NO:122)--; and change "PROP" to --PRGP-- and insert --(SEQ ID NO:123)-- thereafter
COLUMN 45, LINE 30,	after "GCPR" insert --(SEQ ID NO:124)--
COLUMN 45, LINE 32,	after "GCPRGM" insert --(SEQ ID NO:125)--
COLUMN 45, LINE 35,	after "GCPRGM" insert --(SEQ ID NO:125)--
COLUMN 45, LINE 38,	after "LQHV" insert --(SEQ ID NO:126)--
COLUMN 45, LINE 41,	after "FPGC" insert --(SEQ ID NO:9)-- and after "PGCP" insert --(SEQ ID NO:10)--
COLUMN 45, LINE 43,	after "PARP" insert --(SEQ ID NO:62)-- and after "VPGC" insert --(SEQ ID NO:127)--
COLUMN 45, LINE 45,	after "CPRG" insert --(SEQ ID NO:128)-- and after "LKGC" insert --(SEQ ID NO:129)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 8 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 45, LINE 48,	after "PPGP" insert --(SEQ ID NO:130)--; after "LPGCPREV" insert --(SEQ ID NO:131)--; after "LPGC" insert --(SEQ ID NO:41)--; after "PGCP" insert --(SEQ ID NO:10)--; and after "CPRE" insert --(SEQ ID NO:132)--
COLUMN 45, LINE 50,	after "MMRVLQAVLPPLPQVVC" insert --(SEQ ID NO:133)--; after "MMRV" insert --(SEQ ID NO:52)--; after "VLPPLP" insert --(SEQ ID NO:135)--; and after "PPLP" insert --(SEQ ID NO:81)--
COLUMN 45, LINE 51,	after "QVVC" insert --(SEQ ID NO:43)--; after "VLPPLPQ" insert --(SEQ ID NO:136)--; after "AVLPPLP" insert --(SEQ ID NO:137)--; and after "AVLPPLPQ" insert --(SEQ ID NO:138)--
COLUMN 45, LINE 53,	after "MMRVLQAVLPVPQVVC" insert --(SEQ ID NO:139)--; after "MMRV" insert --(SEQ ID NO:134)--; after "LQAG" insert --(SEQ ID NO:140)--; after "VLPPVP" insert --(SEQ ID NO:141)--; and after "VLPPVPQ" insert --(SEQ ID NO:142)--
COLUMN 45, LINE 54,	after "QVVC" insert --(SEQ ID NO:43)--; after "AVLPVP" insert --(SEQ ID NO:143)--; and after "AVLPVPQ" insert --(SEQ ID NO:144)--
COLUMN 45, LINE 56,	after "MTRD" insert --(SEQ ID NO:145)--; after "QDVC" insert --(SEQ ID NO:146)--; after "IPGC" insert --(SEQ ID NO:147)--; and after "PGCP" insert --(SEQ ID NO:10)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 9 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 45, LINE 58,	after "LPGC" insert --(SEQ ID NO:41)-- and after "PGCP" insert --(SEQ ID NO:10)--
COLUMN 45, LINE 60,	after "PALP" insert --(SEQ ID NO:76)-- and after "PALPS" insert --(SEQ ID NO:148)--
COLUMN 45, LINE 62,	after "LPGGPR" insert --(SEQ ID NO:149)--; after "LPGG" insert --(SEQ ID NO:150)--; after "GGPR" insert --(SEQ ID NO:151)--
COLUMN 45, LINE 64,	after "LQRG" insert --(SEQ ID NO:152)--; after "LQRGV" insert --(SEQ ID NO:153)--; after "LGQL" insert --(SEQ ID NO:154)--
COLUMN 45, LINE 67,	after "MTRVLQGVLPALP" insert --(SEQ ID NO:155)--
COLUMN 45, LINE 68,	after "QVVC" insert --(SEQ ID NO:43)--
COLUMN 45, LINE 71,	after "VLQGVLPAL" insert --(SEQ ID NO:156)--
COLUMN 45, LINE 72,	after "GVLPALPQV" insert --(SEQ ID NO:157)--
COLUMN 45, LINE 73,	after "VLPALPQVV" insert --(SEQ ID NO:158)--
COLUMN 45, LINE 74,	after "RLPGCPRGV" insert --(SEQ ID NO:159)--
COLUMN 45, LINE 75,	after "TMTRVLQGV" insert --(SEQ ID NO:160)--
COLUMN 47, LINE 3,	after "CPTMTRVLQGVLPAL" insert --(SEQ ID NO:161)--
COLUMN 47, LINE 4,	after "PGCPRGVNPVVSYAV" insert --(SEQ ID NO:162)--
COLUMN 47, LINE 5,	after "PRGVNPVVSYAVALS" insert --(SEQ ID NO:163)--
COLUMN 47, LINE 6,	after "TRVLQGVLPALPQVV" insert --(SEQ ID NO:164)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 10 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 47, LINE 7,	after "LQGVLPALPQVVCNY" insert --(SEQ ID NO:165)--
COLUMN 47, LINE 8,	after "CPTMTRVLQGVLPAL" insert --(SEQ ID NO:161)--
COLUMN 47, LINE 9,	after "MTRVLQGVLPALPQV" insert --(SEQ ID NO:166)--
COLUMN 47, LINE 10,	after "SIRLPGCPRGVNPVV" insert --(SEQ ID NO:167)--
COLUMN 47, LINE 29,	after "VLPALPQVVC" insert --(SEQ ID NO:28)--
COLUMN 47, LINE 30,	after "LQGVLPALPQ" insert --(SEQ ID NO:49)--
COLUMN 47, LINE 32,	after "LQGV" insert --(SEQ ID NO:1)--
COLUMN 47, LINE 33,	after "GVLPALPQ" insert --(SEQ ID NO:33)--
COLUMN 47, LINE 34,	after "VLPALP" insert --(SEQ ID NO:3)--
COLUMN 47, LINE 35,	after "VLPALPQ" insert --(SEQ ID NO:29)--
COLUMN 47, LINE 36,	after "GVLPALP" insert --(SEQ ID NO:32)--
COLUMN 47, LINE 38,	after "MTRV" insert --(SEQ ID NO:42)--
COLUMN 47, LINE 40,	after "LQGVLPALPOVVC" insert --(SEQ ID NO:34)--
COLUMN 47, LINE 42,	after "LQGVLPALPOVVC" insert --(SEQ ID NO:34)--
COLUMN 47, LINE 43,	after "LPGCPRGVNPVVS" insert --(SEQ ID NO:40)--
COLUMN 47, LINE 44,	after "LPGC" insert --(SEQ ID NO:41)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 11 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 47, LINE 51,	after "LQGV" insert --(SEQ ID NO:1)--
COLUMN 47, LINE 52,	after "AQGV" insert --(SEQ ID NO:2)--
COLUMN 47, LINE 53,	after "LQGA" insert --(SEQ ID NO:19)--
COLUMN 47, LINE 54,	after "VLPALP" insert --(SEQ ID NO:3)--
COLUMN 47, LINE 55,	after "ALPALP" insert --(SEQ ID NO:21)--
COLUMN 47, LINE 56,	after "VAPALP" insert --(SEQ ID NO:23)--
COLUMN 47, LINE 57,	after "ALPALPQ" insert --(SEQ ID NO:23)--
COLUMN 47, LINE 58,	after "VLPAAPQ" insert --(SEQ ID NO:24)--
COLUMN 47, LINE 59,	after "VLPALAQ" insert --(SEQ ID NO:25)--
COLUMN 47, LINE 60,	after "LAGV" insert --(SEQ ID NO:26)--
COLUMN 47, LINE 61,	after "LQAV" insert --(SEQ ID NO:52)--
COLUMN 47, LINE 62,	after "VLAALP" insert --(SEQ ID NO:27)--
COLUMN 47, LINE 63,	after "VLPAAP" insert --(SEQ ID NO:117)--
COLUMN 47, LINE 64,	after "VLPALA" insert --(SEQ ID NO:28)--
COLUMN 47, LINE 65,	after "VLPALPQ" insert --(SEQ ID NO:29)--
COLUMN 47, LINE 66,	after "VLAALPQ" insert --(SEQ ID NO:30)--
COLUMN 47, LINE 67,	after "VLPALPA" insert --(SEQ ID NO:31)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VLPALPQVVC" insert --(SEQ ID NO:20)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "LQGVLPALPQ" insert --(SEQ ID NO:49)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "LQGV" insert --(SEQ ID NO:1)---
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "GVLPALPQ" insert --(SEQ ID NO:33)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
 APPLICATION NO. : 10/029,206  
 ISSUE DATE : February 13, 2007  
 INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 12 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VLPALP" insert --(SEQ ID NO:3)---
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VALPQ" insert --(SEQ ID NO:29)---
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "GVLPALP" insert --(SEQ ID NO:32)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "QVVC" insert --(SEQ ID NO:43)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "MTRV" insert --(SEQ ID NO:42)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "LQGVLPALPQVVC" insert --(SEQ ID NO:34)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "LQGVLPALPQVVC" insert --(SEQ ID NO:34)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "AQGV" insert --(SEQ ID NO:2)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "LAGV" insert --(SEQ ID NO:26)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "LQAV" insert --(SEQ ID NO:52)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "LQGA" insert --(SEQ ID NO:19)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "ALPALP" insert --(SEQ ID NO:21)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
 TRASKBRITT  
 230 South 500 East, Suite 300  
 Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 13 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VAPALP" insert --(SEQ ID NO:22)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VLAALP" insert --(SEQ ID NO:27)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VLPAAP" insert --(SEQ ID NO:117)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VLPALA" insert --(SEQ ID NO:28)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "ALPALPQ" insert --(SEQ ID NO:23)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VAPALPQ" insert --(SEQ ID NO:173)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VLAALPQ" insert --(SEQ ID NO:30)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VLPAAPQ" insert --(SEQ ID NO:24)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VLPALAQ" insert --(SEQ ID NO:25)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VLPALPA" insert --(SEQ ID NO:31)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VVCNYRDVRFESIRLPGCPRGVNPVVSYAVALSCQ CAL" insert --(SEQ ID NO:35)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "VVCNYRDVRFESIRLPGCPRGVNPVVSYAVALSCQ" insert --(SEQ ID NO:169)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 14 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "SIRLPGCPRGVNPVVS" insert --(SEQ ID NO:39)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "LPGCPRGVNPVVS" insert --(SEQ ID NO:40)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "CPRGVNPVVS" insert --(SEQ ID NO:50)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "LPGC" insert --(SEQ ID NO:41)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "CPRGVNP" insert --(SEQ ID NO:170)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "PGCP" insert --(SEQ ID NO:10)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "RPRCRPINATLAVEKEGCPVCITVNTTICAGYCPT" insert --(SEQ ID NO:45)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "MTRVLQGVLPALPQ" insert --(SEQ ID NO:171)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "MTRVLPGVLPALPQVVC" insert --(SEQ ID NO:174)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "CALCRRSTTDCGGPKDHPLTC" insert --(SEQ ID NO:46)--
COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "SKAPPPSLPSPSRLPGPC" insert --(SEQ ID NO:172)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*



## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 15 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 49, TABLE 5,	under the column heading "SEQUENCE" after "TCDDPRFQDSSSSKAPPPSLPSPSRLPGPSDTPILPQ" insert --(SEQ ID NO:48)--
COLUMN 49, TABLE 6,	under the column heading "SEQUENCE" after "VLPALPQVVC" insert --(SEQ ID NO:20)--
COLUMN 49, TABLE 6,	under the column heading "SEQUENCE" after "LQGVLPALPQ" insert --(SEQ ID NO:49)--
COLUMN 49, TABLE 6,	under the column heading "SEQUENCE" after "LQGV" insert --(SEQ ID NO:1)---
COLUMN 49, TABLE 6,	under the column heading "SEQUENCE" after "GVLPALPQ" insert --(SEQ ID NO:33)--
COLUMN 49, TABLE 6,	under the column heading "SEQUENCE" after "VLPALP" insert --(SEQ ID NO:3)---
COLUMN 49, TABLE 6,	under the column heading "SEQUENCE" after "VALPQ" insert --(SEQ ID NO:29)---
COLUMN 49, TABLE 6,	under the column heading "SEQUENCE" after "GVLPALP" insert --(SEQ ID NO:32)--
COLUMN 49, TABLE 6,	under the column heading "SEQUENCE" after "QVVC" insert --(SEQ ID NO:43)--
COLUMN 50, TABLE 6,	under the column heading "SEQUENCE" after "MTRV" insert --(SEQ ID NO:42)--
COLUMN 50, TABLE 6,	under the column heading "SEQUENCE" after "LQGVLPALPQVVC" insert --(SEQ ID NO:34)--
COLUMN 50, TABLE 6,	under the column heading "SEQUENCE" after "LQGVLPALPQVVC" insert --(SEQ ID NO:34)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 16 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 50, TABLE 6,	under the column heading "SEQUENCE" after "AQGV" insert --(SEQ ID NO:2)--
COLUMN 50, TABLE 6,	under the column heading "SEQUENCE" after "LAGV" insert --(SEQ ID NO:26)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "LAGV" insert --(SEQ ID NO:26)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "LQAV" insert --(SEQ ID NO:52)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "LQGA" insert --(SEQ ID NO:19)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "ALPALP" insert --(SEQ ID NO:21)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VAPALP" insert --(SEQ ID NO:22)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VLAALP" insert --(SEQ ID NO:27)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VLPAAP" insert --(SEQ ID NO:117)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VLPALA" insert --(SEQ ID NO:28)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "ALPALPQ" insert --(SEQ ID NO:23)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VAPALPQ" insert --(SEQ ID NO:173)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VLAALPQ" insert --(SEQ ID NO:30)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
APPLICATION NO. : 10/029,206  
ISSUE DATE : February 13, 2007  
INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 17 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VLPAAPQ" insert --(SEQ ID NO:24)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VLPALAQ" insert --(SEQ ID NO:25)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VLPALPA" insert --(SEQ ID NO:31)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VVCNYRDVRFESIRLPGCPRGVNPVVSYAVALSCQ CAL" insert --(SEQ ID NO:35)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "VVCNYRDVRFESIRLPGCPRGVNPVVSYAVALSCQ" insert --(SEQ ID NO:169)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "SIRLPGCPRGVNPVVS" insert --(SEQ ID NO:39)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "LPGCPRGVNPVVS" insert --(SEQ ID NO:40)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "CPRGVNPVVS" insert --(SEQ ID NO:50)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "LPGC" insert --(SEQ ID NO:41)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "CPRGVNP" insert --(SEQ ID NO:170)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "PGCP" insert --(SEQ ID NO:10)--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
TRASKBRITT  
230 South 500 East, Suite 300  
Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
 APPLICATION NO. : 10/029,206  
 ISSUE DATE : February 13, 2007  
 INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 18 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "RPRCRPINATLAVEKEGCPVCITVNTTICAGYCPT" insert --(SEQ ID NO:45)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "MTRVLQGVLPALPQ" insert --(SEQ ID NO:171)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "MTRVLPGVLPALPVVC" insert --(SEQ ID NO:174)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "CALCRRSTTDCGGPKDHPLTC" insert --(SEQ ID NO:46)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "SKAPPPSLSPSRLPGPC" insert --(SEQ ID NO:172)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "TCDDPRFQDSSSSKAPPPSLSPSRLPGPSDTPILPQ" insert --(SEQ ID NO:48)--
COLUMN 51, TABLE 6,	under the column heading "SEQUENCE" after "CRRSTTDCGGPKDHPLTC" insert --(SEQ ID NO:47)--
COLUMN 51, LINE 54,	change "·"(first occurrence) to --α-- and change "·"(second occurrence) to --β--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
 TRASKBRITT  
 230 South 500 East, Suite 300  
 Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,175,679 B2  
 APPLICATION NO. : 10/029,206  
 ISSUE DATE : February 13, 2007  
 INVENTOR(S) : Nisar Asmed Khan; and Robert Benner

Page 19 of 19

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the specification (continued):**

COLUMN 53, LINE 40,	In the Experimental Design Table, under the column named "EXPERIMENTAL TREATMENT" change "antibioti" to --antibiotic--
COLUMN 54, LINE 62,	change "vitrolex" to --vitro/ex--
COLUMN 67, LINE 6,	change "KB" to --κB--
COLUMN 67, LINE 20,	change "KB" to --κB--
COLUMN 67, LINE 22,	change "KB" to --κB--
COLUMN 67, LINE 32,	change "KB" to --κB-- (both occurrences)
COLUMN 69, LINE 3,	change "KB" to --κB--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Allen C. Turner  
 TRASKBRITT  
 230 South 500 East, Suite 300  
 Salt Lake City, Utah 84102 USA

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*